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Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

January 31, 2006

Applicant: Alex Nugent **Group:** 2121
Serial No.: 10/748,631 **Examiner:** Anthony Knight
Filed: December 30, 2003 **Atty Docket No.:** 1000-1216
For: APPLICATION OF HEBBIAN AND ANTI-HEBBIAN LEARNING TO
NANOTECHNOLOGY-BASED PHYSICAL NEURAL NETWORKS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The following sections are being submitted for this Supplemental Information Disclosure Statement:

1. Preliminary Statements.

Applicant(s) submits herewith additional patents, publications or other information that they believe may or may not be material to the patentability of the claims under consideration in this application and in respect of which there may be a duty to disclose under 37 C.F.R. § 1.56.

The filing of this Supplemental Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56 (37 C.F.R. § 1.97(h)), or that no other material information exists.

The filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that the references are prior art within the meaning of 35 U.S.C. §§ 102 or 103. Further, any explanation, if provided, is not to be construed as a representation that the references have been thoroughly reviewed. In particular, no representation as to the relevance of any portion of any reference is intended.

The filing of this Supplemental Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

2. Form PTO-1449, List of Prior Art Cited by Applicant, citing 1 U.S. patents and/or patent application publications, 0 foreign patent and/or publications, and 3 non-patent references containing other information.

3. Attached to this Supplemental Information Disclosure Statement is a copy of Form PTO 1449 and accompanying references, for consideration by the U.S. Patent and Trademark Office. Copies of the references listed in the

Form PTO 1449 that have not been provided are believed to define the general state of the art and are not considered to be of particular relevance.

4. These references are in addition to those listed in any Supplemental Information Disclosure Statement and Form PTO 1449 filed previously with the U.S.P.T.O.

5. ☒ This Supplemental Information Disclosure Statement is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application and is accompanied by the statement specified in 37 CFR 1.97(e).

6. Statement in accordance with 37 C.F.R. § 1.97(e):

☐ (1) Each item of information contained in the Supplemental Information Disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Supplemental Information Disclosure statement; or

☒ (2) No item of information contained in the Supplemental Information Disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the Supplemental Information Disclosure statement after making reasonable inquiry, no item of information contained in the Supplemental Information Disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Supplemental Information Disclosure statement.

7. The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor(s) and the information in the attorney's file.

Telephone: 505.314-1312
Facsimile: 505.314-1307

By: Kermit D. Lopez
Kermit D. Lopez
Reg. No. 41,953
Attorney for Applicant

ORTIZ & LOPEZ, PLLC
P.O. Box 4484
Albuquerque, NM 87196-4484

CERTIFICATE OF MAILING

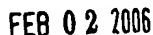
I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231:

☒ 37 CFR 1.8(a)(1)(A)
With the United States Postal Service
with sufficient postage as first class
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Dated: January 31, 2006

☐ 37 CFR 1.8(a)(1)(B)
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☐ 37 CFR 1.10
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Kermit D. Lopez
Kermit D. Lopez, Reg. No. 41,953



FORM 1449
(REV. 7.80)

ATTY. DOCKET NO.:
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SERIAL NO.: 10/748,631

APPLICANTS: Alex Nugent

FILING DATE: 12/30/2003

GROUP ART UNIT:

U. S. PATENT DOCUMENTS

*EXAMINER
INITIAL

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

"Elements of Artificial Neural Networks" K. Mehrotra, C. K. Mohan, S. Ranka, 1997, MIT Press, Pgs. 116-135
 "Self-assembled chains of graphitized carbon nanoparticles" A. Bezryadin, R.M. Westervelt, M. Tinkham, Dec. 21, 1998
 "Collective Transport in Arrays of Small Metallic Dots" A. Alan Middleton, N.S. Wingreen, 1993, The American Physical Society, 0031-9007/93/71(19)/3198(4), pages 3198 through 3201

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.